AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method of constructing a composite structure, comprising:

positioning a plurality of forming elements on a skin panel formed from a composite material in a predetermined configuration;

disposing a stiffening panel formed from an uncured composite material outwardly from the forming elements;

partial-curing the skin panel and the stiffening panel to create a plurality of contact regions between the skin panel and the stiffening panel; and

coupling the skin panel and the stiffening panel with a plurality of fasteners; and

<u>final</u> curing the skin panel and the stiffening panel to bond the skin panel and the stiffening panel together at the contact regions.

- 2. (Original) The method of Claim 1, further comprising removing the forming elements after curing the skin panel and the stiffening panel.
 - 3. (Canceled)
- 4. (Currently Amended) The method of Claim 1 Claim 3, wherein coupling the skin panel and the stiffening panel with the fasteners comprises coupling the skin panel and the stiffening panel with a plurality of Z-pins proximate the contact regions.
- 5. (Original) The method of Claim 1, wherein the skin panel is formed from a composite material selected from the group consisting of a cured composite material and an uncured composite material.

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- 6. (Currently Amended) The method of Claim 1, wherein disposing the stiffening panel comprises spraying a composite material onto outwardly from the forming elements and a first surface of the skin panel.
- 7. (Original) The method of Claim 1, wherein disposing the stiffening panel formed from the uncured composite material comprises disposing a stiffening panel formed from an uncured composite material having a plurality of discontinuous fibers.
- 8. (Original) The method of Claim 1, wherein positioning the forming elements on the skin panel in the predetermined configuration comprises positioning the forming elements in a corrugated configuration.
- 9. (Original) The method of Claim 1, wherein positioning the forming elements on the skin panel in the predetermined configuration comprises positioning the forming elements in a waffle configuration.
 - 10. (Original) A method of constructing a composite structure, comprising: positioning a plurality of forming elements on a skin panel formed from a composite material in a corrugated configuration;

disposing a stiffening panel formed from an uncured composite material having a plurality of discontinuous fibers outwardly from the skin panel and the forming elements;

partial-curing the skin panel and the stiffening panel to create a plurality of first contact regions between the skin panel and the stiffening panel and to create a plurality of second contact regions between the forming elements and the stiffening panel;

coupling the skin panel and the stiffening panel with a plurality of fasteners proximate the first contact regions; and

final curing the skin panel and the stiffening panel to bond the skin panel and the stiffening panel together at the first contact regions.

- 11. (Original) The method of Claim 10, further comprising removing the forming elements after final curing the skin panel and the stiffening panel.
- 12. (Original) The method of Claim 11, wherein coupling the skin panel and the stiffening panel with the fasteners comprises coupling the skin panel and the stiffening panel with a plurality of Z-pins proximate the first contact regions.
- 13. (Original) The method of Claim 10, wherein the skin panel is formed from a composite material selected from the group consisting of a partially-cured composite material and an uncured composite material.
- 14. (Currently Amended) The method of Claim 10, wherein disposing the stiffening panel comprises spraying a composite material <u>onto</u> outwardly from the forming elements and a first surface of the skin panel.

15. (Currently Amended) A method of constructing a composite structure, comprising:

positioning a plurality of forming elements on a first surface of a skin panel formed from a composite material selected from the group consisting of a cured composite material and an uncured composite material, the forming elements and the first surface of the skin panel creating a predetermined configuration;

forming a stiffening panel from an uncured composite material having a plurality of discontinuous fibers on a tool having a configuration substantially the same as the predetermined configuration;

heating the stiffening panel to a state sufficient enough to enable handling of the stiffening panel while maintaining its configuration;

disposing the stiffening panel outwardly from the skin panel and the forming elements;

partial-curing the skin panel and the stiffening panel to create a plurality of first contact regions between the skin panel and the stiffening panel and to create a plurality of second contact regions between the forming elements and the stiffening panel; and

coupling the skin panel and the stiffening panel with a plurality of fasteners proximate the first contact regions; and

<u>final</u> curing the skin panel and the stiffening panel to bond the skin panel and the stiffening panel together at the first contact regions.

- 16. (Currently Amended) The method of Claim 15, further comprising removing the forming elements after <u>final</u> curing the skin panel and the stiffening panel.
- 17. (Currently Amended) The method of Claim 15, wherein coupling the skin panel and the stiffening panel with the fasteners comprises coupling the skin panel and the stiffening panel with a plurality of Z-pins proximate the <u>first</u> contact regions.
- 18. (Original) The method of Claim 15, wherein the predetermined configuration is a corrugated configuration.

- 19. (Original) The method of Claim 15, wherein the predetermined configuration is a waffle configuration.
 - 20. (Withdrawn) A composite structure, comprising:
 - a skin panel formed from a composite material;
 - a plurality of forming elements positioned on the skin panel in a corrugated configuration;
 - a stiffening panel formed from an uncured composite material having a plurality of discontinuous fibers disposed outwardly from the skin panel and the forming elements;
 - a plurality of contact regions created by the skin panel and the stiffening panel;
 - a plurality of fasteners coupling the skin panel and the stiffening panel proximate the contact regions; and
 - a plurality of bonding regions proximate the contact regions, the bonding regions created by curing the skin panel and the stiffening panel.
- 21. (Withdrawn) The composite structure of Claim 20, wherein the fasteners are Z-pins.
- 22. (Withdrawn) The composite structure of Claim 20, wherein the skin panel is formed from a composite material selected from the group consisting of a cured composite material and an uncured composite material.
- 23. (Withdrawn) The composite structure of Claim 20, wherein the stiffening panel is sprayed on the forming elements and the skin panel.
- 24. (New) The method of Claim 15, wherein forming the stiffening panel from the uncured composite material comprises forming a stiffening panel formed from an uncured composite material having a plurality of discontinuous fibers.